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Large Area Remote Sensed Imagery: Data, Tools, Tricks and Tips

Plesea, Lucian, JPL
Email: Lucian.Plesea@jpl.nasa.gov, Tel: +1 818 354 3928

Siegel, Herb, JPL
Email: Herb.Siegel@jpl.nasa.gov, Tel: +1 818 354 2038

Miller, Craig, JPL
Email: Craig.Miller@jpl.nasa.gov, Tel: +1 818 354 1511

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Abstract
Part of the development work done by the JPL High Performace Computer Applications Group centered around space based imagery processing and visualizations. As the area of coverage of these applications becomes larger and larger, we accumulated a great deal of experience.

The paper covers the status of some available NASA datasets: Synthetic Aperture Radar and Landsat TM, followed by description of our group experience with applications based on these datasets. Tools and methods for geospatial data warehousing, and some of the visualization tools employed are described. These packages include high performance 2D and 3D rendering software, and OpenGIS based web server/client (http://mapus.jpl.nasa.gov) implementations.

Keywords